A Big Earth Data Platform for Three Poles

**Functional index data of cardiopulmonary system of natives on the Tibet Plateau (2021)**

1、Description

The data set included lung function and cardiovascular function indexes collected during four follow-up visits to the high altitude natives in Lhasa and Nyingchi, Tibet Autonomous Region.
Four follow-up surveys were conducted in Lhasa and Nyingchi from May to June and September to October 2021, and a total of 212 subjects were recruited.
During each visit, the forced vital capacity (FVC), forced expiratory volume in one second (FEV1), vital capacity (VC) and other pulmonary function indexes of the subjects were measured by Mir pulmonary function instrument. The heart rate (HR), systolic blood pressure (SBP), diastolic blood pressure (DBP), augmentation index (AIx), carotid femoral pulse wave velocity (cf-PWV) and other cardiovascular function indexes were measured by German vicorder cardiovascular detector.
The data can be used to evaluate the cardiopulmonary system function of natives in Tibet, and further analyze the effects of ozone exposure and hypoxia on the cardiopulmonary system function of high altitude natives.

2、Keywords

Theme：Population,Environment Pollution and Control
Discipline：Human-nature Relationship
Places：Lhasa, Nyingchi
Time：2021

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：0.13MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.4 | - |
| west：91.06 | - | east：98.47 |
| - | south：26.52 | - |

5、Time frame:2021-05-06 16:00:00+00:00--2021-11-06 16:00:00+00:00

6、Reference method

References to data:

GONG Jicheng . Functional index data of cardiopulmonary system of natives on the Tibet Plateau (2021). A Big Earth Data Platform for Three Poles, doi:10.11888/HumanNat.tpdc.2722432022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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